

Mineral Industry Surveys

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IRON AND STEEL SCRAP IN NOVEMBER 2004

On a daily average basis in November 2004, estimated consumption of iron and steel scrap was down 1% and net receipts of purchased and home scrap were up 1% compared with those of October 2004, according to the U.S. Geological Survey. Production of home scrap was up 3% and stocks of purchased and home scrap at the end of the month were up 5%. These observations are based upon responses from 61% of the companies surveyed that manufacture pig iron and semifinished steel products, which represent 52% of the total scrap consumption in those sectors, and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production was down 1% and consumption was down 1% compared with those of October 2004. Stocks of pig iron at month's end were up 35% compared with those of October 2004.

Exports of iron and steel scrap for the month of October 2004 increased 17% from those of September 2004. China was the leading country of destination, accounting for 30% of the total tonnage of exports, followed by Canada with 16% and the Republic of Korea with 15% (table 6). Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 24% of the total, followed by New York, NY, with 23% and San Francisco, CA, with 7% (table 7).

Imports of iron and steel scrap for October 2004 decreased 5% compared with those of September 2004. Canada was the leading country of origin, accounting for 59% of the total tonnage of imports, followed by the United Kingdom with 29% and the Netherlands with 7% (table 9). Detroit, MI, was the leading Customs district for tonnage of imports, accounting for 29% of the total, followed by Mobile, AL, with 15% and New Orleans, LA, with 14% (table 10).

The daily average domestic raw steel production for November 2004, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, amounted to 272,000 metric tons (t), down 3% from 279,000 in October 2004 and up 8% from 252,000 t in November 2003 (table 12). The electric furnace portion of raw steel production for November 2004 was 55%, down from 56% in October 2004 and up from 50% in November 2003.

Raw steel capability utilization (AISI data) in November 2004 was 95%, down from 98% in October 2004 and up from 84% in November 2003 (table 12). Continuous cast steel production in the United States accounted for 97% of total raw steel production in November 2004, up from 95% in October 2004 and about the same as in November 2003.

TABLE 1
IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

	November 2004			Year to date ^p		
	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers	Integrated steel producers ³	Electric furnace steel producers ⁴	Total for steel producers
Scrap:						
Receipts from dealers and other sources	1,330	2,370	3,710	13,600	27,400	41,000
Receipts from other own company plants	W	W	162	W	W	1,900
Production recirculating scrap	542	328	870	6,760	3,690	10,400
Production obsolete scrap	12	27	39	166	294	460
Consumption (by type of furnace):						
Blast furnace	(5)	--	(5)	(5)	--	(5)
Basic oxygen process	W	W	1,050	W	W	13,100
Electric furnace	W	W	3,320	W	W	38,500
Other (including air furnace) ⁶	(5)	--	(5)	(5)	--	(5)
Total consumption	1,630	2,750	4,380	19,800	31,900	51,700
Shipments	113	7	120	1,200	76	1,270
Stocks end of month	2,480	2,260	4,740	XX	XX	XX
Pig iron (includes hot metal):						
Receipts	480	162	642	6,130	1,580	7,710
Production	W	W	2,640	W	W	28,100
Consumption (by type of furnace):						
Basic oxygen process	W	W	3,140	W	W	34,800
Direct castings ⁷	(5)	(5)	(5)	(5)	(5)	(5)
Electric furnace	W	W	(5)	W	W	(5)
Total consumption	2,980	124	3,140	33,600	1,140	34,800
Shipments	(8)	(8)	(8)	(8)	(8)	(8)
Stocks end of month	W	W	634	XX	XX	XX
Direct-reduced iron:⁹						
Receipts	71	6	77	987	77	1,060
Production	W	W	W	--	--	--
Total consumption	118	6	125	1,050	196	1,250
Shipments	--	--	--	27	--	27
Stocks end of month	114	12	126	XX	XX	XX

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and/or "Total consumption." XX Not applicable. -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings. November 2004 data are based on returns from 61% of monthly respondents, representing 52% of scrap consumption during this month, and estimates for nonrespondents of this survey.

³Includes data for electric furnaces operated by integrated steel producers.

⁴Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

⁵Withheld to avoid disclosing company proprietary data; included in "Consumption: Basic oxygen process."

⁶Includes vacuum melting furnaces and miscellaneous uses.

⁷Includes ingot molds and stools.

⁸Withheld to avoid disclosing company proprietary data.

⁹Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

TABLE 2
RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

Item	November 2004				Year to date ^p		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³	Ending stocks	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³
Carbon steel:							
Low-phosphorus plate and punchings	27	W	56	135	317	W	649
Cut structural and plate	368	53	400	295	4,220	653	4,800
No. 1 heavy melting steel	379	181	550	569	4,360	1,920	6,240
No. 2 heavy melting steel	451	31	478	505	5,330	375	5,740
No. 1 and electric furnace bundles	367	W	462	319	4,250	W	5,740
No. 2 and all other bundles	79	W	72	49	829	W	864
Electric furnace 1 foot and under (not bundles)	11	W	W	W	139	W	W
Railroad rails	20	W	26	19	226	W	272
Turnings and borings	149	4	154	106	1,830	50	1,990
Slag scrap	76	112	155	128	768	1,380	1,890
Shredded and fragmentized	893	W	919	824	9,360	W	10,300
No. 1 busheling	463	16	400	385	4,730	167	4,680
Steel cans (post consumer)	22	W	26	W	242	W	291
All other carbon steel scrap	137	139	275	284	1,570	1,960	3,640
Stainless steel scrap	59	18	89	34	722	209	1,030
Alloy steel scrap	11	37	50	25	121	475	578
Ingot mold and stool scrap	W	7	5	16	W	74	51
Machinery and cupola cast iron	W	W	W	W	W	W	W
Cast iron borings	23	W	19	32	284	W	263
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	71	16	100	W	649	360	1,110
Other mixed scrap	98	31	121	571	1,030	321	1,310
Total	3,710	870	4,380	4,740	41,000	10,400	51,700

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings.

³Includes recirculating scrap and home-generated obsolete scrap.

TABLE 3
 RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, AND CONSUMPTION OF IRON AND STEEL SCRAP,
 BY REGION AND STATE, FOR STEEL PRODUCERS^{1,2}

(Thousand metric tons)

Region and State	November 2004			Year to date ^p		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ³
Mid-Atlantic and New England:						
New Jersey, New York, Pennsylvania	381	169	595	4,390	1,890	6,680
North Central:						
Illinois and Indiana	324	287	574	4,210	3,420	7,360
Iowa, Minnesota, Nebraska, Wisconsin	237	5	234	2,700	55	2,640
Michigan	165	56	134	1,920	895	2,290
Ohio	577	104	657	5,500	1,340	6,820
Total	1,300	452	1,600	14,300	5,710	19,100
South Atlantic:						
Delaware, Maryland, Virginia, West Virginia	195	56	276	2,550	727	3,290
Florida, Georgia, North Carolina, South Carolina	346	17	319	3,400	181	3,660
Total	541	73	595	5,950	908	6,940
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	536	51	472	5,340	566	5,800
Arkansas, Louisiana, Oklahoma, Texas	632	65	743	7,380	709	8,880
Total	1,170	116	1,220	12,700	1,280	14,700
Mountain and Pacific:						
Arizona, California, Colorado, Oregon, Utah, Washington	314	60	371	3,600	662	4,260
Grand total	3,710	870	4,380	41,000	10,400	51,700

^pPreliminary.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes manufacturers of raw steel that also produce steel castings.

³Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4
RECEIPTS OF IRON AND STEEL SCRAP, BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3,4}

(Thousand metric tons)

Item	November 2004					Year to date ^p				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	14	4	W	6	2	155	48	W	64	44
Cut structural and plate	45	117	83	94	29	496	1,360	983	1,050	324
No. 1 heavy melting steel	43	113	39	158	26	474	1,330	443	1,640	480
No. 2 heavy melting steel	8	167	67	158	51	83	2,110	774	1,800	563
No. 1 and electric furnace bundles	30	251	15	64	7	347	2,900	250	662	95
No. 2 and all other bundles	8	35	8	18	10	83	346	69	214	117
Electric furnace 1 foot and under (not bundles)	--	(5)	--	11	--	--	5	--	134	--
Railroad rails	W	W	--	12	W	W	W	4	126	W
Turnings and borings	24	42	23	55	6	268	507	255	725	73
Slag scrap	18	32	8	17	W	203	303	79	173	W
Shredded and fragmentized	40	189	231	329	106	509	1,880	2,320	3,530	1,130
No. 1 busheling	42	187	24	204	6	521	1,890	236	2,020	67
Steel cans (post consumer)	4	W	W	W	W	40	W	W	W	W
All other carbon steel scrap	44	67	5	19	W	442	766	90	261	W
Stainless steel scrap	47	12	--	--	--	593	128	--	--	--
Alloy steel scrap	7	W	--	W	--	75	W	--	W	--
Ingot mold and stool scrap	--	--	--	--	--	1	--	--	--	--
Machinery and cupola cast iron	(5)	--	(5)	W	--	(5)	--	1	W	--
Cast iron borings	W	W	W	6	(5)	W	W	W	97	(5)
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	36	W	1	W	W	248	W	7	W
Other mixed scrap	W	W	4	13	W	W	W	50	177	W
Total	381	1,300	541	1,170	314	4,390	14,300	5,950	12,700	3,600

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Scrap received from brokers, dealers, and other outside sources.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Data are rounded to no more than three significant digits; may not add to totals shown.

⁵Less than 1/2 unit.

TABLE 5
CONSUMPTION OF IRON AND STEEL SCRAP BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3}

(Thousand metric tons)

Item	November 2004					Year to date ^p				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	14	33	W	W	2	158	361	W	W	61
Cut structural and plate	66	118	103	86	28	740	1,400	1,270	1,090	310
No. 1 heavy melting steel	80	146	51	200	73	902	1,780	489	2,140	940
No. 2 heavy melting steel	14	168	66	178	52	158	2,160	810	2,040	574
No. 1 and electric furnace bundles	40	341	16	56	8	425	4,230	278	711	102
No. 2 and all other bundles	9	27	7	20	9	97	342	68	233	123
Electric furnace 1 foot and under (not bundles)	--	4	--	13	--	--	87	--	136	--
Railroad rails	W	W	--	14	W	50	W	4	141	W
Turnings and borings	29	49	19	51	6	324	605	257	726	79
Slag scrap	29	62	18	44	W	324	838	196	525	W
Shredded and fragmentized	77	185	213	333	111	882	1,820	2,410	3,980	1,200
No. 1 busheling	51	189	17	137	7	576	1,860	239	1,920	77
Steel cans (post consumer)	6	W	W	W	W	61	W	W	W	W
All other carbon steel scrap	70	118	39	46	W	747	1,810	452	601	W
Stainless steel scrap	67	22	--	--	--	796	230	--	--	--
Alloy steel scrap	16	31	--	W	--	190	364	--	W	--
Ingot mold and stool scrap	3	1	--	(4)	--	37	11	--	3	--
Machinery and cupola cast iron	--	--	(4)	W	--	(4)	--	--	W	--
Cast iron borings	W	W	W	8	--	W	W	W	98	--
Motor blocks	--	--	W	--	--	--	--	W	--	--
Other iron scrap	W	45	W	3	W	W	551	W	29	W
Other mixed scrap	W	33	5	14	W	W	332	60	183	W
Total	595	1,600	595	1,220	371	6,680	19,100	6,940	14,700	4,260

^pPreliminary. W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Less than 1/2 unit.

TABLE 6
U.S. EXPORTS OF IRON AND STEEL SCRAP
BY SELECTED REGION AND COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Region and country	October 2004		Year to date	
	Quantity	Value	Quantity	Value
North America and South America:				
Brazil	(3)	20	1	706
Canada	199	22,500	1,770	196,000
Colombia	1	78	2	335
Costa Rica	(3)	12	(3)	88
Guatemala	(3)	13	30	5,640
Mexico	83	17,700	1,240	249,000
Peru	(3)	41	161	33,900
Turks and Caicos Islands	(3)	12	7	780
Venezuela	(3)	45	4	574
Other	1	37	12	3,770
Total	284	40,500	3,230	491,000
Africa, Europe, Middle East:				
Belgium	3	450	13	2,310
Egypt	27	6,070	55	12,100
Finland	(3)	(3)	58	80,900
France	(3)	25	1	878
Germany	(3)	112	17	7,010
Ireland	(3)	15	(3)	199
Israel	(3)	13	(3)	188
Italy	52	12,600	76	19,200
Kenya	6	2,240	47	20,500
Netherlands	(3)	358	13	14,400
Portugal	(3)	(3)	22	4,030
South Africa	2	10	2	10
Spain	(3)	46	5	5,980
Sweden	(3)	156	1	1,560
Turkey	169	39,700	467	96,800
United Arab Emirates	1	270	5	1,340
United Kingdom	10	316	24	7,280
Other	1	13	6	2,200
Total	271	62,400	810	277,000
Asia, Australia, Oceania:				
Australia	(3)	39	1	139
Bangladesh	1	243	6	964
China	360	123,000	2,610	764,000
Hong Kong	5	3,260	61	33,700
India	8	5,100	252	73,900
Indonesia	6	1,810	24	7,010
Japan	9	2,580	86	36,700
Korea, Republic of	184	50,400	1,560	418,000
Malaysia	(3)	110	288	53,600
Pakistan	(3)	17	3	648
Singapore	(3)	16	10	1,550
Taiwan	9	6,650	170	80,700
Thailand	73	15,400	648	127,000
Vietnam	(3)	189	13	3,610
Other	1	13	1	332
Total	656	209,000	5,730	1,600,000
Grand total	1,210	312,000	9,770	2,370,000

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP
BY REGION AND SELECTED CUSTOMS DISTRICT^{1,2,3}

(Thousand metric tons and thousand dollars)

Region and customs district	October 2004		Year to date	
	Quantity	Value	Quantity	Value
Canadian-U.S. Border:				
Buffalo, NY	18	3,350	88	22,600
Chicago, IL	(4)	186	6	1,560
Detroit, MI	26	5,590	280	49,700
Duluth, MN	4	980	38	6,200
Great Falls, MT	1	164	18	2,390
Ogdensburg, NY	6	1,220	50	10,100
Pembina, ND	39	7,690	442	67,200
Other ⁵	(4)	48	1	704
Total	94	19,200	923	160,000
East Coast:				
Baltimore, MD	1	695	15	6,820
Boston, MA	39	12,500	677	144,000
Charleston, SC	2	1,170	76	17,200
Miami, FL	4	1,460	39	13,900
New York, NY	279	69,300	1,420	381,000
Norfolk, VA	8	3,820	127	35,200
Philadelphia, PA	75	17,900	364	79,100
Portland, ME	1	134	249	49,700
Providence, RI	28	7,170	252	48,800
Savannah, GA	9	4,590	53	28,600
St. Albans, VT	5	904	42	7,920
Wilmington, NC	2	511	19	5,020
Other ⁵	109	3,280	822	33,800
Total	562	123,000	4,160	851,000
Gulf Coast and Mexican-U.S. Border (includes Caribbean territories):				
El Paso, TX	1	78	2	508
Houston-Galveston, TX	15	15,400	102	77,000
Laredo, TX	21	5,040	361	74,400
New Orleans, LA	6	9,130	61	87,500
Nogales, AZ	2	358	20	2,880
San Juan, PR	4	851	75	14,200
Other	(4)	4	268	54,000
Total	48	30,900	890	310,000
West Coast and Hawaii:				
Columbia-Snake, OR	59	15,300	356	84,500
Honolulu, HI and Anchorage, AK	2	542	123	28,500
Los Angeles, CA	291	79,700	1,680	518,000
San Diego, CA	23	2,710	134	20,100
San Francisco, CA	82	24,900	967	240,000
Seattle, WA	50	15,500	540	157,000
Total	506	139,000	3,800	1,050,000
Grand total	1,210	312,000	9,770	2,370,000

¹Re-export activity for October 2004 amounted to 530 metric tons valued at \$426,000.

²Includes tinsplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free alongside ship basis.

³Data are rounded to no more than three significant digits; may not add to totals shown.

⁴Less than 1/2 unit.

⁵Includes Code 70, which is for low-valued exports from the United States to Canada.

Source: U.S. Census Bureau.

TABLE 8
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	October 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	209	48,200	1,640	325,000
No. 2 heavy melting steel	55	13,200	347	66,800
No. 1 bundles	25	2,880	230	30,200
No. 2 bundles	4	789	39	6,710
Shredded steel scrap	335	80,000	3,130	637,000
Borings, shovelings and turnings	22	2,190	160	15,700
Cut plate and structural	55	13,500	438	89,500
Tinned iron or steel	4	1,610	76	17,200
Remelting scrap ingots	1	667	5	5,520
Cast iron	194	35,400	827	164,000
Other iron and steel	83	25,600	1,070	242,000
Total carbon steel and cast iron	986	224,000	7,960	1,600,000
Stainless steel	48	53,600	405	457,000
Other alloy steel	176	34,500	1,410	315,000
Total stainless and alloy steel	224	88,100	1,810	771,000
Total carbon, stainless, alloy steel and cast iron	1,210	312,000	9,770	2,370,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	16	2,620
Used rails for rerolling and other uses	2	677	34	14,700
Total scrap exports	1,210	313,000	9,820	2,390,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	7	1,790	10	2,510
Pig iron > 0.5% phosphorus	1	98	12	1,080
Alloy pig iron	1	498	4	858
Total pig iron	9	2,390	26	4,450
Direct-reduced iron (DRI)	--	--	13	1,330
Spongy iron products, not DRI	(3)	220	3	2,200
Granules for abrasive cleaning and other uses	2	2,200	22	16,600
Powders of alloy steel	1	1,150	10	13,800
Other ferrous powders	5	8,010	46	61,600
Total DRI, granules, powders	9	11,600	94	95,500
Grand total	1,230	327,000	9,940	2,490,000

-- Zero.

¹Export valuation is on a free alongside ship basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Country	October 2004		Year to date	
	Quantity	Value	Quantity	Value
Aruba	3	623	5	1,090
Canada	258	66,600	2,120	475,000
China	(3)	34	2	1,060
Denmark	(3)	(3)	111	23,300
Dominican Republic	8	1,770	72	15,400
Ecuador	(3)	60	1	672
Egypt	(3)	85	1	815
Germany	(3)	341	5	973
Guatemala	(3)	50	(3)	312
Japan	(3)	65	2	649
Mexico	10	4,510	109	49,500
Netherlands	31	10,800	211	65,900
Netherlands Antilles	(3)	(3)	17	1,630
Russia	(3)	(3)	26	8,500
Sweden	(3)	(3)	231	51,900
United Kingdom	128	33,100	952	274,000
Venezuela	(3)	288	9	7,930
Other	1	90	24	28,300
Total	438	118,000	3,890	1,010,000

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 10
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED CUSTOMS DISTRICT^{1,2}

(Thousand metric tons and thousand dollars)

Customs district	October 2004		Year to date	
	Quantity	Value	Quantity	Value
Buffalo, NY	55	22,000	357	143,000
Charleston, SC	42	12,300	961	257,000
Cleveland, OH	13	134	23	242
Detroit, MI	125	32,700	1,020	218,000
Duluth, MN	3	988	18	4,740
Mobile, AL	68	14,200	156	35,500
New Orleans, LA	60	19,700	647	199,000
Ogdensburg, NY	6	1,620	24	13,100
Pembina, ND	10	3,220	59	18,100
Seattle, WA	44	5,640	430	50,800
Other	12	5,740	194	66,800
Total	438	118,000	3,890	1,010,000

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 11
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER
FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	October 2004		Year to date	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	12	3,680	105	18,400
No. 2 heavy melting steel	3	506	22	3,050
No. 1 bundles	140	36,100	687	168,000
No. 2 bundles	--	--	1	98
Shredded steel scrap	96	23,900	1,150	253,000
Borings, shovelings and turnings	7	653	44	4,220
Cut plate and structural	12	2,730	104	16,200
Tinned iron or steel	1	127	8	1,720
Remelting scrap ingots	(3)	393	1	779
Cast iron	22	5,650	285	50,800
Other iron and steel	114	26,500	1,120	287,000
Total carbon steel and cast iron	408	100,000	3,520	804,000
Stainless steel	10	11,200	119	138,000
Other alloy steel	19	6,840	249	64,500
Total stainless and alloy steel	30	18,100	368	203,000
Total carbon, stainless, alloy steel and cast iron	438	118,000	3,890	1,010,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	--	--
Used rails for rerolling and other uses	18	5,300	110	33,600
Total scrap imports	456	124,000	4,000	1,040,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	728	186,000	4,660	993,000
Pig iron > 0.5% phosphorus	35	9,630	124	29,200
Alloy pig iron	--	--	--	--
Total pig iron	762	196,000	4,790	1,020,000
Direct-reduced iron (DRI)	174	41,000	2,110	393,000
Spongy iron products, not DRI	35	10,500	95	30,700
Granules for abrasive cleaning and other uses	1	784	13	7,790
Powders of alloy steel	5	4,840	49	46,900
Other ferrous powders	7	6,320	71	57,100
Total DRI, granules, powders	222	63,400	2,340	536,000
Grand total	1,440	383,000	11,100	2,600,000

-- Zero.

¹Import valuation is on a Customs basis.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 12
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,
AND CONTINUOUS CAST STEEL PRODUCTION¹

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year to date ²	Monthly	Year to date	Monthly	Year to date
2003:						
November	7,570	83,700	83.9	83.4	97.2	97.3
December	7,630	91,300	81.9	82.2	97.1	96.1
2004:						
January	7,850	7,850	88.0	88.0	96.9	96.9
February	7,620	15,400	90.9	88.9	97.0	97.0
March	8,410	23,800	93.7	90.4	96.9	96.9
April	8,080	31,900	93.9	91.1	96.9	96.9
May	8,310	40,200	92.9	91.5	97.7	97.1
June	8,170	48,300	94.4	91.9	96.8	97.0
July	8,310	57,100	93.5	92.7	97.4	97.1
August	8,450	65,600	95.0	93.0	94.4	96.3
September	8,380	74,000	97.3	93.5	97.3	97.1
October	8,660	82,600	97.5	93.9	95.9	96.0
November	8,160	90,700	94.8	93.9	97.2	97.2

¹Data are rounded to no more than three significant digits.

²Year-to-date may include revisions for previous months.

Source: American Iron and Steel Institute.

TABLE 13
COMPOSITE PRICES FOR NO. 1 HEAVY MELTING STEEL SCRAP AND PIG IRON

Period	American Metal Market No. 1 HMS		Iron Age No. 1 HMS		Iron Age Pig Iron	
	\$/lt	\$/t	\$/lt	\$/t	\$/lt	\$/t
2003:						
November	144.03	141.76	141.29	139.06	199.64	196.48
December	159.88	157.35	155.50	153.05	206.64	203.38
Average	122.93	120.99	120.92	119.01	180.99	178.13
2004:						
January	177.47	174.67	179.84	176.99	240.78	236.98
February	224.09	220.55	222.50	218.99	240.78	236.98
March	250.05	246.10	238.13	234.37	NA	NA
April	208.76	205.46	201.33	198.15	NA	NA
May	170.55	167.86	161.25	158.70	NA	NA
June	165.00	162.39	160.33	157.80	NA	NA
July	215.30	211.90	214.96	211.56	NA	NA
August	240.38	236.58	225.96	222.40	NA	NA
September	205.17	201.93	198.78	195.64	NA	NA
October	237.37	233.62	235.83	232.11	NA	NA
November	251.67	247.70	250.67	246.71	NA	NA

NA Not available.

Note: Long tons = lt; metric tons = t.